

Pakistan's First fully  
solar powered bank branch



Allied Bank Limited is one of the leading private banks in Pakistan. The management of the Bank is actively pursuing ways to conserve energy without compromising on customer service and efficiency.

With this commitment the management of Allied Bank took the initiative of setting up Pakistan's First Fully Solar Powered GREEN branch. The choice was the new branch constructed at Jhang Road Faisalabad, which was formally inaugurated on June 04, 2013.

The new branch has LED lighting and a 18KWp Solar system to cater for all critical loads, such as Lights, PCs, IT equipment, Fire Alarm, CCTV & Security System, ATM Machine and 2 Air-con units to ensure uninterrupted supply of power all day long as well as a backup with a 3000AH battery bank to cater for nighttime loads. The use of the diesel generator is minimized thereby resulting in cost savings and reduction in the Carbon emissions.

Through the use of LED lighting the total Lighting load for the branch is below 3kW while ensuring optimum lighting levels for efficient working. A savings of almost 70% as compared to conventional lighting Systems.

#### The Project

Commencement: November 2012  
Completion: April 2013  
Loads: 18kWp Generation  
10kW Connected

#### Scope of Works

1. AC Coupled Hybrid Solar Power System
2. Lighting Control & Energy Management
3. LED lighting System

#### Products Used

REC Norway  
72 x REC250PE 250Wp Solar Panels

SMA Germany  
3 x SMC7000TL Solar Inverter  
3 x SI 3324 Backup Inverter

TROJAN USA  
30 x 207AH 12V FLA Batteries

Philips Dynalite - Australia  
4 x DDLE 802 Dimmers (32 Channels)

LUXELED Australia  
39W LED Lighting Panels 600mm x 600mm  
10W LED Down Lights